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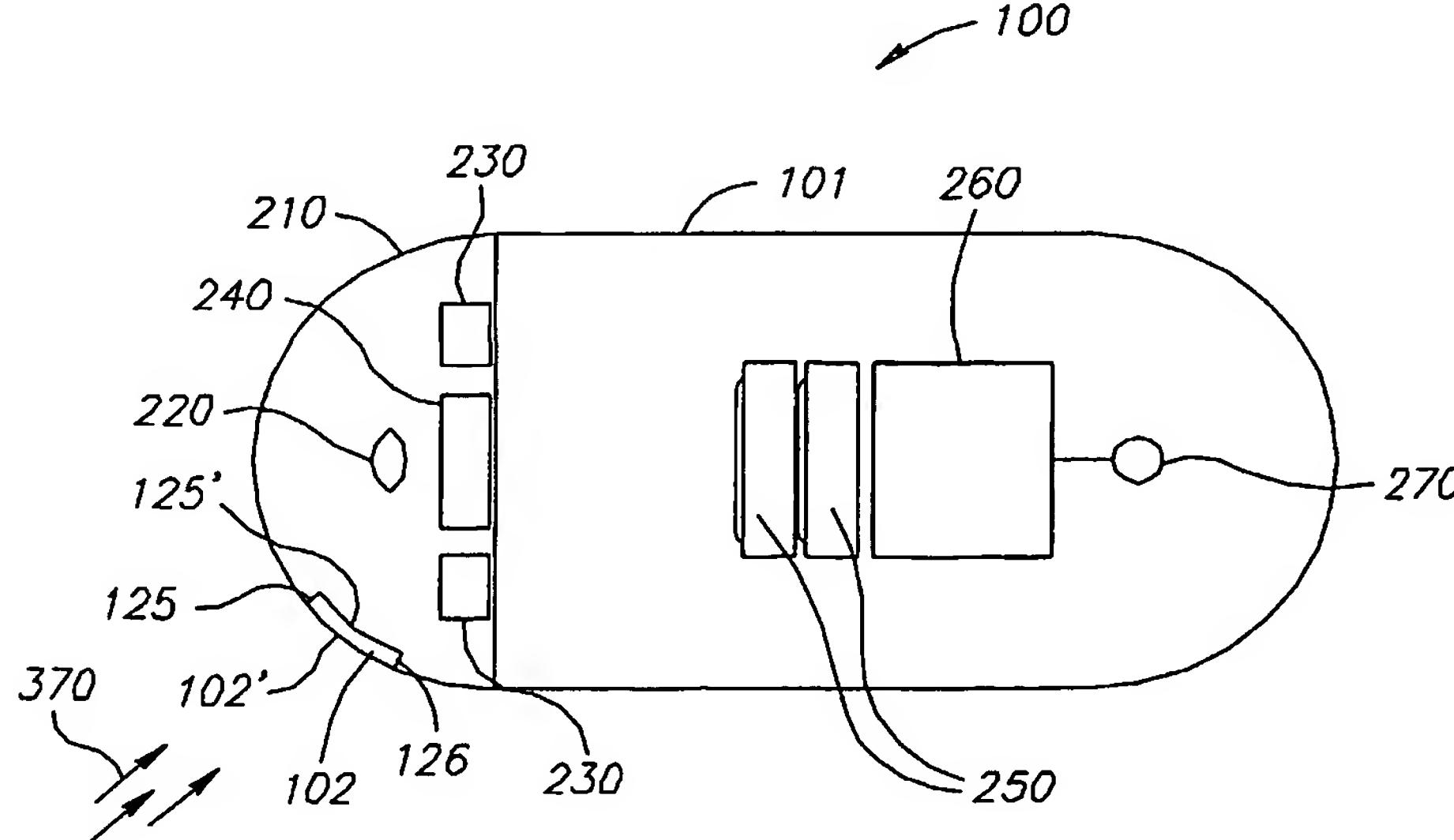
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(54) Title: SYSTEM FOR IN VIVO SAMPLING AND ANALYSIS

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(57) **Abstract:** A system for in vivo analysis which includes agglutinative particles capable of interacting with at least one analyte so as to cause an optical change; and at least one in vivo imaging system (220, 230, 240) configured for detecting the optical change in vivo. The system may be incorporated within an ingestible capsule (100).